Course ID: ECE 440 Introduction to Computer Networks-Spring
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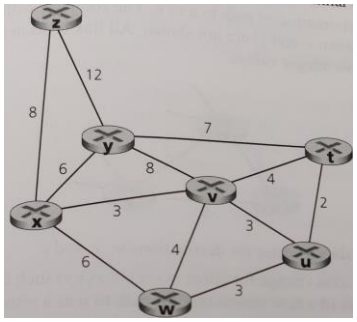
326B/ Office Hours: Tuesdays and Thursdays 2:00pm-3:00pm
Lectures: Tuesdays and Thursdays 3:30pm-4:45pm
Department of Electrical and Computer Engineering / University of New Mexico

Homework #5 (100%)

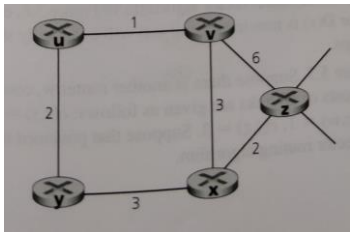
1. Problem P3, Chapter 5 **(50%)**

Consider the following network. With the indicated link costs, use Dijkstra's shortest-path algorithm to compute the shortest path from x to all nodes. Show how the algorithm works by computing a table similar to Table 5.1.



2. Problem P5, Chapter 5 **(50%)**

Consider the network shown below and assume that each node initially knows the costs to each of its neighbors. Consider the distance-vector algorithm and show the distance table entries at node z.



To be delivered at instructor's office: **7 May 2020**

Good Luck!